

VOSKANYAN, V. B.

OMIRENSKIY, S.M.; KADILOV, Ye.V.; VOSKANYAN, V.B.; ARUTYUNYAN, P.I.;  
CHITYAN, S.M.; OGANESEYAN, R.S.; KHOYETSYAN, R.N.

Materials on the slaughter and anatomical and histological study  
of the constitution of young local cattle and their crosses with  
Schwyz cattle. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 10 no.3:  
23-34 Mr '57. (MLRA 10:5)

1. Yerevanskiy zooveterinarnyy institut.  
(Armenia--Cattle--Anatomy)

VOSKANYAN, T.A.

Demonstration construction of apartment houses using coarse porous  
concrete building blocks. Strel.pred.neft.praz.1 no.2:7-10 Ap '56.  
(Precast concrete construction) (MIRA 9:9)

TRUNIN, A.P., kand. tekhn. nauk; DERYABIN, I.M., inzh.; BESPALOV, I.V., inzh.;  
VOSKANYAN, V.A., inzh., nauchnyy red.; KAPLAN, M.Ya., red.; VOLCHOK,  
K.M., tekhn. red.; PUL'KINA, Ye.A., tekhn. red.

[Engineering preparation for large-element construction; from the  
experience of Leningrad construction projects] Inzhenernaia pod-  
gotovka krupnoelementnoi zastroiki; iz opyta leningradskikh stroek.  
Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materi-  
alam, 1961. 171 p. (MIRA 14:7)

(Building sites) (Leningrad—Building)

VOSKANYAN, V B.

Country : USSR

Catogory : Farm Animals.  
Cattle. Q-2

Abs. Jour : Ref Zhur-Biol., No 16, 1958, 74006

Author : Surenkiy, S. M.; Kadirov, Ye. V.; Voskanyan, V. B.

Institut. : AS Armenian SSR. Biology and Agricultural\*\*

Title : Data on Slaughtering and Anatomohistological  
Study of the Constitution of Young Local Cattle  
Stock and Its Hybrids with Schwyz Breeds.

Orig Pub. : Izv. All Arm. SSR. Biol. i s.-kh. il., 1957, 10,  
No 3, 23-34

Abstract : The effects of various conditions in raising  
young stock (the usual, improved, and poor  
farm conditions) on slaughter indicators, as  
well as upon skin and muscle histologic indica-  
tors, upon the weight of bones and inner organs  
are discussed.

Card: 1/1

\*V. B.; Arutyunyan, P. I.; Chityan, S. M.;  
Oganesyan, R. S.; Khoyetsyan, R. H.

\*\*Sciences.

ZOLOTNITSKAYA, S.Ya.; VOSKANYAN, V.Ye.

Variability of the new Ukrainian poppy variety "Novinka" in Erivan.  
Izv. AN Arm. SSR. Biol. nauki 13 no. 4:71-74 Ap '60.

(MIRA 14:2)

1. Botanicheskiy institut Akademii nauk Arm. SSR.  
(ERIVAN---POPPY---V RIETIES)

BAKULEV, A.N., glav. red.; PETROV, F.N., glav. red.; BRUSILOVSKIY, L.Ia.,  
red.; KON, M.A., st. nauchn. red.; VOSEKANYANTS, O.I.,  
mlad. red.

[Popular medical encyclopedia] Populiarnaya meditsinskaya  
entsiklopediya. Glav. red. Bakulev i F.N. Petrov. Chleny  
red. kollegii: L.Ia. Brusilovskii i dr. Nauchn. sovet izd-  
va: Aleksandrov i dr. Moskva, Izd-vo "Sovetskaya entsiklo-  
pediya," 1964. 1252 columns. (MIRA 17:5)

BAKULEV, A.N., glavnyy red.; PETROV, P.N., glavnyy red.; MILOVIDOV, B.M.,  
zam.glavnogo red.; BRUSILOVSKIY, L.Ya., red.; DOMEROVSKAYA, Yu.P.,  
red.; ZELENIN, V.F., red.; KRASNOV, M.L., red.; KRISTMAN, V.I.,  
red.; MAYSTRACH, K.V., red.; MALINOVSKIY, M.S., red.; MASHKOVSKIY,  
M.D., red.; MUL'TANOVSKIY, M.P., red.; SNEZHEVSKIY, A.V., red.;  
SOLOV'YEV, V.D., red.; CHERKINSKIY, S.N., red.; KON, M.A., starshiy  
nauchnyy red.; VOSKAN'YANTS, O.I., mladshiy red.; KOSTI, S.D.,  
tekhn.red.

[Popular medical encyclopedia] Populiarnaya meditsinskaya entsi-  
klopediya. Glav.red.A.N.Bakulev i P.N.Petrov. Chleny red. kollegii:  
L.IA.Brusilovskii i dr. Nauchn.sovet izd-va: A.P.Aleksandrov i dr.  
Moskva, Gos.nauchn.izd-vo "Sovetskaya entsiklopediya," 1961.  
1252 columns. (MIRA 14:4)

1. Redaktsiya meditsiny i zdravookhreneniya. Moskva, Zh-28,  
Pokrovskiy bul'var, d.8, Gosudarstvennoye nauchnoye izdatel'stvo  
"Sovetskaya Entsiklopediya" (for Milovidov, Kon, Voskan'yants).  
(MEDICINE--DICTIONARIES)

A good member of the avifauna



..VOSKERCHAYN, A.Sh.

Structural indicators for isolating the regions of tectonic complexes  
in Armenia for purposes of engineering geology. Izv. AN Arm.SSR.  
Geol.i geog.nauki 16 no.4/5:155-162 '63. (MIRA 16:12)

1. Yerevanskiy politekhnicheskii institut imeni K.Marksa.

AVAKYAN, S.N.; KARAPETYAN, R.A.; VOSKERCHYAN, S.V.

Complex copper and zinc compounds with dimethylamino-2-butyne.  
Zhur. ob. khim. 35 no.7:1194-1197 J1 '65. (MIRA 18:8)

1. Yerevanskiy gosudarstvennyy universitet.

VOSKERCHYAN, V. A., Doc Vet Sci -- (diss) "Influence of the feeding factor on the occurrence of dyspepsia in newly born calves." Yerevan, 1960. 34 pp; (Committee of the Council of Ministers of the Armenian SSR for Higher and Secondary Specialist Education, Yerevan Zoo-veterinary Inst); 150 copies; price not given; (KL, 19-60, 137)

VOSKERCHYAN, V.A., kand.veterinarnykh nauk

Extracting the contents of the abomasum in calves. Veterinariia  
39 no.12:46 D '62. (MIRA 16:6)

1. Yerevanskiy zootekhnicheskoy-veterinarnyy institut.  
(Calves--Diseases and pests)

VOSKERUSA, J.

AGRICULTURE

PERIODICAL: VESTNIK, VOL. 6, no. 1, 1959

Voskerusa, J. Possibilities for a further increase in the  
per-hectare yield of winter sugar beets. p. 35.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 5,  
May 1959, Unclass.

VOSKERUSA, Jaroslav, inz.

Study of poppy (*Papaver somniferum* L.) nutrition with regard to the morphine content in ripe poppy heads and to the importance of boron. Rost vyroba 10 no. 7:709-720 J1 '64.

1. Agricultural Research Station, Opava.

VOSKIS, Kh. Ya., Cand Med Sci -- (diss) "Evaluation of operative approaches  
to the hip joint." Riga, 1958. 16 pp with drawings (Min of Health <sup>La</sup> ~~Lat~~ SSR,  
Riga Med Inst), 2 300 copies (KL, 17-58, 111)

-77-

VOSKIS Kh. Ya.

KRUMIN', K.A.; VOSKIS, Kh. Ya.,

Morphological changes in coxofemoral joints in congenital dislocation in premature infants with multiple congenital developmental defects. Ortop.travm.i protex. 20 no.4:68-70 Ap '59.

(MIRA 13:4)

1. Iz kliniki detskoy ortopedii (zav. - zasl.deyatel' nauki prof. A.P. Biyezsin') Rishskogo nauchno-issledovatel'skogo instituta i ortopedii (dir. - prof. O.M. Rudenko) i kafedry operativnoy khirurgii s topograficheskoy anatomiyei (zav. - prof. A.P. Biyezsin') Rishskogo meditsinskogo instituta (dir. - chlen-korrespondent AMN SSSR prof. E.M. Burtniyek [deceased]).

(HIP, disloc.

congen., morphol. of joint in premature  
inf with multiple abnorm. (Rus))

(INFANT, PREMATURE, dis.

disloc. of hip., morphol. of joint in inf.  
with multiple abnorm. (Rus))



GOLOVKIN, N.A.; PERSHINA, L.I.; VOSKOBOY, A.V.

Volatile reducing substances as a fish quality index during its cold storage. Izv. vys. ucheb. zav.; pishch. tekhn. no. 2:161-168 '61. (MIRA 14:5)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti. Kafedra obshchey i kholodil'noy tekhnologii. (Fish--Preservation)

VOSKOBOYENKO, A.; LEBEDEV, D.; KALITA, V. (Krasnodarskiy kray, Stanitsa Kurganskaya); IVANOV, P.; MELIMEVKER, D.; TRIFONOV, N., inzh.

Suggested, created, introduced. Izobr. i rats. no.9:16-17 S.  
'61. (MIRA 14:8)

1. Inzhener po ratsionalizatsii, Ussuriyskiy lesozavod (for Voskoboyenko). 2. Chlen soveta Nauchno-tekhnicheskogo obshchestva g. Sochi (for Lebedev). 3. Direktor Mukachevskoy remontno-tekhnicheskoy stantsii, Zakarpatskoy oblasti (for Ivanov). 4. Direktor pryadil'no-tkatskoy fabрики, g. Chelyabinsk (for Melimevker). 5. Trest "Chuvashspetsstroy", g. Cheboksary (for Trifonov).

(Technological innovations)

VOSKOBOYEV, D. G.

USSR/Farm Animals - Silk-Worms.

Q-9

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2700

Author : D.G. Voskobojev, I.L. Movshovich, M.A. Rish, I.N. Shal'man

Inst : -  
Title : Zootechnical Procedures for an Increase of the Productivity of the Mulberry Silk-Worm.

Orig Pub : Nauchn. tr. Uzb. s-kh. in-ta, 1956, 10, 291-300

Abstract : Kh. Tishayeva and A. Sultanova suggested an accelerated method of raising silk-worms. The advantages of this method were demonstrated on two breeds of the Mulberry silk-worm: the Soviet No 1, and the Belokokonnaya No 2 /White cocoon/. In the hatchery the temperature of the air was increased from 23 to 30°, and the relative humidity was decreased from 70 to 50-55°. The caterpillars consumed by 18-26 percent more feed than the control group (a hatchery with a standard regime). Caterpillars raised in a

Card 1/2

VOSKOBOYEV, F. N., Cand Tech Sci -- (diss) "Research into the effect of the characteristics of reinforcements on the loading of the coal-face region zone of a stratum in the cleaning of excavations on gently-sloping declines." Leningrad, 1960. 22 pp; with charts; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Mining Inst im G. V. Plekhanov); 200 copies; price not given; (KL, 18-60, 151)

VOSKOBOYEV, I. (g.Zlatoust)

Experience in using electric locomotives for pulling heavy-weight trains. Zhel.dor.transp. 36 no.3:33-35 Mr '55.  
(MIRA 12:5)

1. Starshiy mashinist depo Zlatoust Yuzhno-Ural'skoy dorogi.  
(Electric locomotives)

KUKHTIN, V.A.; KAZYMOV, A.V.; VOSKOBOYEVA, T.N.

Synthesis of phosphocyanine dyes. Dokl. AN SSSR 140 no.3:601-604  
S '61. (MIRA 14:9)

1. Kazanskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
kinofotoinstituta. Predstavleno akademikom B.A.Arbutovym.  
(Cyanines) (Dyes and dyeing)

KUKHTIN, V.A.; VOSKOBOYEVA, T.N.; KIRILLOVA, K.M.

Some new types of the Arbuzov rearrangement. Part 15: Addition  
of trialkyl phosphites and diethyl phosphites to 1,2-cyclohexanedione.  
Zhur.ob.khim. 32 no.7:2333-2338 J1 '62. (MIRA 15:7)

1. Kazanskiy filial nauchno-issledovatel'skogo kinofotoinstituta.  
(Rearrangements (Chemistry)) (Phosphorous acid)  
(Cyclohexanedione)

SAVCHENKO, N.; TROPP, I.; VOSKOBOYNIK, A.

Organization and safety of traffic. Art. transp. 41 no.8;  
43-48 Ag '63. (MIRA 16:11)

1. Starshiy inzh. po bezopasnosti dvizheniya Krasnodarskogo avtouppravleniya (for Savchenko).
2. Vneshtatnyy sotrudnik Gosudarstvennoy avtomobil'noy inspeksii (for Tropp).
3. Nachal'nik Gosudarstvennoy avtomobil'noy inspeksii Upravleniya militsii g. L'vova (for Voskoboynik).



VOSKOBOYNIK, A.I.

Sulfur-removal process at the Zakavkazskii Metallurgical Plant.  
Koks i khim. no.9:33-35 '60. (MIRA 13:9)

1. Zakavkazskiy metallurgicheskii zavod.  
(Tiflis-- Coke-oven gas) (Hydrogen sulfide)

VOSZKOBONIK, D. [Voskoboynik, D.] (Moscow)

Effects of nuclear weapons. Fiz szenie 9 no.5:145-150 My '59.

YOSKOBONIK, David Izrailevich; LESHKOVTSYEV, V.A., redaktor; LIVSHITS, B.L.,  
redaktor; TUMARKINA, N.A., tekhnicheskii redaktor

[Nuclear energy] IAdernaia energetika, Moskva, Gos. izd-vo tekhniko-  
teoret. lit-ry, 1956, 168 p. (MLRA 9:12)  
(Atomic power)

VOSKOBOYNIK, D.I.

YERSHOV, N.N.; SEMENOV, Yu.V., kandidat filologicheskikh nauk; CHERNYI, A.I.;

VOSKOBOYNIK, D.I., doktor tekhnicheskikh nauk, nauchnyy redaktor

[Russian-English dictionary of nuclear physics and engineering.  
Edited by D.I. Voskovoinik. Moscow, 1955. [1.e. East Orange, N.J.,  
Associated Technical Services, 1957] 349 p. (MLRA 10:3)

1. Akademiya nauk SSSR. Institut nauchnoy informatsii.  
(Russian language--Dictionaries--English)  
(Nuclear physics--Dictionaries)

*Voskoboynik, D. I.*  
Yadernaya Energetika (Nuclear Energy), by D. I. Voskoboynik,  
Moscow, Gostekhizdat, 1956, 168 pp (from a standard card of  
the USSR State Library imeni V. I. Lenin, No 6P2.8)

"Nuclear reactor construction and principles of their operation are discussed. An industrial atomic electric power plant in operation in the USSR is described, as are several other atomic plants, both domestic and foreign (icebreaker, and submarines). Considerable attention is devoted to reactor materials and equipment. The book is a popular presentation of the subject." (U)

*Sum in 1467*

VOSKOBOYNIK, D.I.; YERSHOV, N.N.; SEMENOV, Yu.V.; ZIMMERMAN, M.M.;

~~CHERNYI, A.I.~~, SHPOL'SKIY, Y e.V., professor, redaktor.

[English-Russian dictionary of nuclear physics and engineering]  
Anglo-russkii slovar' po iadernoi fizike i tekhnike. Pod red.  
E. V. Shpol'skogo. Moskva, Akademiia nauk SSSR, Institut nauchnoi  
informatsii, 1955. 286 p. (MLRA 8:10)

(Nuclear physics--Dictionaries)

(Nuclear engineering--Dictionaries)

Author: I. Vaskoboynik, D.

Title: Atomic battery

Periodical: Radio 2, page 39, Feb 1955

Abstract: Information concerning the design of high and low-voltage atomic battery is given. The battery consists of three major components, namely; an inner electrode covered with a radioactive substance; an outer electrode; and an insulator. Illustration and drawings depicting the above mentioned component are included.

Institution: .....

Submitted: .....

VOSKOBOYNIK, D.

USSR/ Electricity - Atomic energy

Card 1/1 Pub. 89 - 27/30

Authors : Voskoboynik, D.

Title : Control of the capacity of a nuclear reactor

Published : 1989-05-23

Abstract

The main conditions pertaining to the physical performance of nuclear reactors, its construction and the control of its capacity are discussed. A special block arrangement intended for the prevention of accidents which could be caused by any accidental increase in the capacity of the reactor is described. Diagrams; drawing.

Institution : .....

Submitted : .....



USSR/ Electronics - Measuring instruments

Card 1/1 Pub. 89 - 20/21

Authors : Voskoboynik, D.

Title : Electron instrument for measuring the rate of flow of gases and liquids

Periodical : Radio 7, page 59, Jul 1955

Abstract : Various methods of measuring the rate of motion of gases or liquids in metal pipes are discussed and the deficiencies of different measuring instruments are explained. An ideal, faultless method for measuring the rate of motion of gases or liquids is considered the one which would record the rate of motion on the basis of the registered rates of ultrasonic wave propagation in a moving medium. The electron measuring instrument in this case must possess high sensitivity, low inertia and should affect the motion of the given substance flowing through a pipe. Drawing.

Institution : .....

VOSKOBOWNIK, D.

USSR/ Nuclear Physics - Dosimetry

Card 1/1 Pub. 89 - 23/27

Authors : Voskoboynik, D.

Title : Pocket size dosimeters

Periodical : Radio 3, 53-54, Aug 1955

Abstract : The new field of technical physics - dosimetry - which deals in problems of measuring and controlling the radiation intensity and dosage is discussed. The construction of portable dosimeters exposed to radioactive substances are described. Brief announcement is made on the development of pocket-size electrostatic dosimeters which allow to be determined the radiation dosage at any given moment. It is stated that these dosimeters are based on the capabilities of gamma-rays to ionize air. The structural characteristics and mode of operation of the dosimeters are described. Drawings.

Institution : .....

Submitted : .....

AGZIBEKOV, Oleg Grigor'yevich; KAMENEVA, Valentina Mikhaylovna;  
SALTYKOVA, Viktoriya Isidorovna; TATISCHERMAN, Polina  
Ivanovna; YEREMENKO, Boris Alekseyevich; YEREMENKO, Boris Alekseyevich;  
YEREMENKO, Boris Alekseyevich; YEREMENKO, Boris Alekseyevich;

YEREMENKO, Boris Alekseyevich; YEREMENKO, Boris Alekseyevich;  
YEREMENKO, Boris Alekseyevich; YEREMENKO, Boris Alekseyevich;  
YEREMENKO, Boris Alekseyevich; YEREMENKO, Boris Alekseyevich;  
(MIRA 1519)

(Russian language—Dictionaries—French)  
(Nuclear physics—Dictionaries)

VOSKOBONNIK, D. I.

S/262/62/000/003/001/004  
1010/1210

AUTHOR: Voskobonnik, D. I.

TITLE: Automatic control of nuclear power stations

PERIODICAL: Referativnyy zhurnal otchel'nyy vypusk. 42. Silovyye ustanovki, no. 3, 1962, 1, abstract 42.3.3. "Morsk. sb.", 1961, 1, 65-69

TEXT: Using an elementary block diagram, there is an analysis of an automatic power station with regard to its operation in steady-state operating conditions at a given program of output power control  $\text{ЯР}$  ( $\text{YaR}$ ), with constant mean temperature of the heat transfer medium at its fixed flow rate, with constant vapor pressure at a fixed flow rate of the heat transfer medium, and with variation of flow rate of the heat transfer medium (by steps and continuously). Diagrams of controlling automatic programs of automatic power station control are discussed particularly at the stage of design of the automatic power station control.

VOSKOBOYNIK, D.I., doktor tekhn.nauk

Automatic regulation of nuclear power installations. Mor.sbor.44  
no. 1:65-79 Ja '61. (MIRA 14:3)  
(Nuclear reactors) (Automatic control)

AGZIBEKOV, Oleg Grigor'yevich; KAMENEVA, Valentina Mikhaylovna; SALTYSKOVA,  
Viktoriya Isidorovna; TSIDMEYMAN, Moisey Gernikhovich; VOSKOBOYNIK,  
D.I., doktor tekhn. nauk, red.; TYAGUNOVA, Z.I., red.; BRUDNO, K.F.,  
tekhn. red.

[French-Russian nuclear dictionary] Frantsuzsko-russkii iadernyi  
slovar'. Pod red. D.I.Voskoboinika. Moskva, Glav. red. inostr.  
nauchno-tekhn. slovari Fizmatgiza, 1961. 242 p. (MIRA 14:9)  
(French language—Dictionaries—Russian)  
(Nuclear physics—Dictionaries)

VOSKOBOYNIK, D.I., doktor tekhn. nauk, red.; LEPESHINSKAYA, Ye.V., red.;  
KOLESNIKOVA, A.P., tekhn. red.

[Nuclear dictionary in seven languages; English-Russian-French-Spanish-Italian-Dutch-German] Semiazыchnyi iadernyi slovar'; anglo-russko-frantsuzsko-ispansko-ital'iansko-gollandsko-nemetskii. Moskva, Glav. red. inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961. 462 p. (MIRA 14:9)

(Nuclear physics--Dictionaries)  
(English language--Dictionaries--Polyglot)

VOSKOBOYNIK, David Izrailevich, doktor tekhn.nauk; TSIMMERMAN, Moisey Genrikhovich; LEPESHINSKAYA, Ye.V., red.; PLAKSIN, L.Yu., tekhn. red.

[Russian-English nuclear dictionary] Russko-angliiskii iadernyi slovar'. Sost.D.I.Voskoboinik i M.G.TSimmerman. Pod red. D.I. Voskoboinika. Moskva, Glav.red.inostr.nauchno-tekhn.slovarei Fizmatgiza, 1960. 334 p. (MIRA 14:1)

(Russian language--Dictionaries--English)  
(Nuclear engineering--Dictionaries)



VOSKOBOYNIK, David Izrailevich, doktor tekhn.nauk; TSIMMERMAN, Moisey  
Genrikhovich; LEPESHINSKAYA, Ye.V., red.; KRYUCHKOVA, V.N.,  
tekhn.red.

[English-Russian nuclear dictionary] Anglo-russkii iadernyi  
slovar'. Pod red. D.I.Voskoboinika. Moskva, Glav.red.inostr.  
nauchno-tekhn.slovarei Fizmatgiza, 1960. 400 p.

(MIRA 13:10)

(Nuclear physics--Dictionaries)

VOSKOBOYNIK, D. I.

"Effects of Nuclear Weapons," Scientific World, II, No. 4, 1959.  
(London, England)

*VOSKOBONNIK D.T.*

KAPLANSKAYA, Yuliya Moiseyevna; LIDVANSKIY, Anatoliy Mikhaylovich, MANUSHIN, Nikolay Fedorovich; VOSKOBONNIK, D.I., doktor tekhn.nauk, red.; MANOLE, M.G., red.; MURASHOVA, N.Ya., tekhn.red.

[Brief German-Russian dictionary of nuclear physics and technology]  
Kratkii nemetako-russkii slovar' po iadernoi fizike i iadernoi  
tekhnike. Moskva, Gos.izd-vo tekhniko-teorēt. lit-ry, 1958. 303 p.  
(Nuclear physics--Dictionaries) (MIRA 11:3)  
(German language--Dictionaries--Russian)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861020012-0

VOSKREBYNIK, D. I.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861020012-0"

VOSKOBOYNIK, D.I.

SUBJECT: USSR/Nuclear Power - A Book Review

25-5-32/35

AUTHOR: Smagin, B.

TITLE: A Scientific and Popular Book (Nauchnaya i populyarnaya kniga)

PERIODICAL: Nauka i Zhizn' - May 1957, No 5, p 60 (USSR)

ABSTRACT: A critical review of the book "Nuclear Power" by D.I. Voskoboynik. This is not an encyclopedia on the subject but a comprehensive survey of actual nuclear problems. To be able to understand the following chapters, the reader is first briefed on nuclear physics. Then follow the construction principles of nuclear reactors, including a description of the materials they are built of and their special equipment. Special attention is paid to the newly constructed nuclear electric power station operated by the USSR Academy of Sciences and the projected nuclear electric power stations as described by the Soviet and foreign press.

Voskoboynik has succeeded in pointing out all the real important facts about nuclear power, thus making his book easy to understand by anyone.

Card 1/2

25-5-32/35

TITLE: A Scientific and Popular Book (Nauchnaya i populyarnaya kniga)

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

VOSKOBOYNIK, D. I.

"Yadernaya Energetika (Nuclear Power Production)," State  
Publishing House of Technicotheoretical Literature, Moscow, 1956, 168 pp

Abstract in Sum 1413

STEPHENSON, Richard; SEMENOV, Yu.V. [translator]; TSIMMERMAN, M.G.,  
[translator]; VOSKOBOYNIK, D.I., redaktor; ZHABOTINSKIY, Ye.Ye.,  
redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor

[Introduction to nuclear engineering. Translated from the English]  
Vvedenie v iadernuyu tekhniku. Perevod s angliiskogo Yu.V.Semenova i  
M.G.TSimmermana. Pod red. D.I.Voskoboinika. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 536 p. (MLRA 10:1)  
(Nuclear engineering)



YERSHOV, N.N.; SEMENOV, Yu.V.; CHERNYI, A.I.; VOSKOBOYNIK, D.I., redaktor.

[Russian-English dictionary of nuclear physics and engineering] Russko-  
angliiskii slovar' po iadernoi fizike i tekhnike. Pod red. D.I. Vosko-  
boinika. Moskva, Akademiia nauk SSSR, Institut nauchnoi informatsii,  
1955. 349 p. (MLRA 8:10)

(Nuclear physics--Dictionaries)

(Nuclear engineering--Dictionaries)

VOSKOBOYNIK, E. Z.

42246. VOSKOBOYNIK, E. Z. Raschet. proyektirovaniye i ispytaniye vodostruynogo inzhektora goryachey vody. (S primech. red.) Sbornik trudov DIIT'a (Dnegrogetr. in-t inzh. zh.-d transporta im. Kaganovicha), vyp. 16, 1947, s. 59-82.

So: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

VOSKOBOYNIK, E.Z.; LATYSHEV, S.K.; GARKAVI, Ya.N.

"Traction drives of electric rolling stock" by A.A.Shatsillo.  
Reviewed by E.Z.Voskoboinik, S.K.Latyshev, I.A.N.Garkavi. Vest.  
elektroprom. 33 no.6:72 Je '62. (MIRA 15:7)  
(Electric railroads--Rolling stock)  
(Electric railway motors) (Shatsillo, A.A.)

LAZARYAN, V.A., doktor tekhn. nauk, prof.; VOSKOBOYNIK, E.Z., kand.  
tekhn. nauk; GARKAVI, Ya.N., kand. tekhn. nauk

Technological and working stresses in the frame of the FD  
locomotive. Trudy DIIT no.24:5-17 '54. (MIRA 16:11)

VOSKOBOYNIK, E.Z., kand. tekhn. nauk

Determining the coefficient of speed losses in the mixing  
nozzle of injectors. Trudy DIIT no.24:106-114 '54.  
(MIRA 16:11)

VOL'FOVSKAYA, F.S.; VOSKOBOYNIK, E.Z.; GARKAVI, Ya.N.

Investigating causes of crack formation on locomotive wheelbands during manual built-up welding of locally worn spots with use of U-340-PB electrodes. Avtom.svar. 11 no.9:93-98 8'58.

(MIRA 11:11)

1. Dnepropetrovskiy Institut inzhenerov zheleznodorozhnogo transporta.

(Wheels--Maintenance and repair)

(Electric welding--Testing)

VOSKOBOWNIK, E. Z.

USSR/Engineering—Locomotive construction

Card 1/1 : Pub. 128—4/33

Authors : Lazaryan, V. A., Prof., Cand. Tech. Sci.; Voskoboynik, E. Z., Docent,  
Cand. Tech. Sci.; and Garkavi, Ya. N., Docent, Cand. Tech. Sci.

Title : Temperature strains on the frame of the FD locomotive

Periodical : Vest. mash. 34/8, 22-24, Aug 1954

Abstract : Cracks which form in the frame of the FD locomotive are studied. The boiler is found to increase its length under the effect of superheated steam. Changes also take place in the dimensions of the cylinders. Data are compiled and formulas developed for calculating the nature and location of the strains. Graphs; drawings; tables.

Institution : .....

Submitted : .....

VOSKOBOYNIK, E. Z.

LAZARYAN, V.A., professor, doktor tekhnicheskikh nauk; VOSKOBOYNIK, E.Z., dotsent, kandidat tekhnicheskikh nauk; GARKAVI, Ya.N., dotsent, kandidat tekhnicheskikh nauk.

Temperature stresses in the frame of a PD steam locomotive. Vest. mash. 34 no.8:22-24 Ag '54. (MLRA 7:8)  
(Locomotives) (Strains and stresses)



VOSKOBOYNIK, G. A.

34938  
S/150/62/004/003/003/023  
B110/B144

5.3830  
AUTHORS:

Razuvayev, G. A., Ryabov, A. V., Zhil'tsov, S. F.,  
Sokolova, V. A., Voskoboynik, G. A.

TITLE:

Initiation of vinyl polymerization by organomercury compounds

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 4, no. 3, 1962, 371-375

TEXT: On the basis of M. M. Koton's investigations (Dokl. AN SSSR, 88, 991, 1953) the effect of oxygen on the polymerization of methyl methacrylate (I) and acrylonitrile is studied at 30-50°C in the presence of dicyclohexyl mercury (II), diisopropyl mercury (III), diethyl mercury (IV) and diphenyl mercury (V), cyclohexyl mercury chloride (VI) and phenyl mercury chloride (VII). The polymerization rate increases with the temperature. The compounds do not dissociate at 30 and 50°C. II and III decompose rapidly at room temperature in the presence of small oxygen amounts. Unstable peroxide compounds which initiate the polymerization, are formed from oxygen and II and III. With stable V and mercury chlorides, oxygen has an inhibiting effect. Its increase first accelerates then decelerates polymerization owing to the decomposition of organometallic

Card 1/2

Initiation of vinyl polymerization ...

S/190/62/004/003/005/023  
B110/B144

compounds and to the inhibiting effect of oxygen. Increase in oxygen pressure reduces the molecular weight to a constant value. Maximum conversion corresponds to constant minimum molecular weight and probably also to a maximum content of radicals formed.  $r_1 = 0.0$ ,  $r_2 = 0.9$  holds for

6 hrs copolymerization of styrene and I at 50°C initiated by 0.3 mole% of II, and in 14 hrs copolymerization of acrylonitrile and I at 30°C initiated by 0.3 mole% of III. Since these relative activities are similar to those of free radical copolymerization, II and III cause free radical polymerization. In the absence of  $O_2$ , hydroquinone additions of 50-500 mole% of the initiator reduced the conversion degree of I from 12 to 2-5%, and the molecular weight from 1,500,000 to 300,000. An induction period of 5.5 hrs was found in the polymerization with IV in air. There are 3 figures and 4 tables. The most important reference to English-language publications reads as follows: F. M. Lewis, F. R. Mayo, W. F. Hulse, J. Amer. Chem. Soc., 67, 1701, 1945.

ASSOCIATION: Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete im. N. I. Lobachevskogo  
(Scientific Chemical Research Institute of the Gor'kiy State University imeni N. I. Lobachevskiy)

Card 2/3

VOSKOGBOYNIK, M. (SSSR)

Effect of the nuclear weapon. Mir nauki no.4:3-11 ' 58.

(MIRA 12:3)

(Atomic weapons)

VOSKOBOYNIK, N.I.

Investigating logging cables. Prikl.geofiz. no.21:173-196  
'58. (MIRA 12:1)  
(Oil well logging--Equipment and supplies) (Cables)

U-05-KoBoYNTK - N.I.

3(5,6) PHASE I BOOK REFORMATION SOV/2899  
Vsesoyuzny nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki  
Fizicheskaya geofizika; sbornik statey, vyp. 23 (Applied Geophysics; Collection of Articles, No. 23) Moscow, Gostoptekhnizdat, 1959.  
242 p. 3,500 copies printed.  
Ed.: M.E. Polshkov; Exec. Ed.: M.N. Bur'mina; Tech. Ed.: A. S. Polosina.

PURPOSE: This book is intended for scientific, engineering, and technical personnel of industrial geophysical exploration services.

COVERLINE: This is a collection of 14 articles by various authors on aspects of geophysical exploration. The material treated in the articles may be divided into four categories: the physical properties of rocks in specific geological regions, methods and techniques used in industrial geophysical exploration, concepts in the theory of electrical exploration, and the economics involved in geophysical operations. Specifically, the authors discuss the geologic structures of the central parts of the Russian Platform, southwestern Turan, the West Siberian Plains, the eastern part of the Siberian Platform, and the Minusinsk basins; electrical frequency sounding; neutron logging; gamma spectroscopy techniques; and the standard equipment and installations of the geophysical services of the petroleum industry in the USSR. References accompany each article.

Sholomovskiy, A.A. Density Characteristics of the Geological Profile of the Eastern Part of the Siberian Platform	112
Galaktionov, A.R. Density of Sedimentary Beds of Gubyst	127
Tarbov, A.P. Nature of the Anomalous Gravitational Field of the Minusinsk Basins	136
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Bedestov, G.A., P.M. Prokof'yev, A.I. Kholin, and A.P. Taitovich. Use of Differential Gamma-Spectrometry in Petroleum Geology	193
Tolubomskiy, N.Y. The Speed of Electrical Logging in Combined Measurements With an Arbitrary Division of Channels	202
Polshkov, Ye. A. An Equivalent Electrical Schematic for an Electrode	217
Abb. M.A., Y.M. Zaporozhets, R.I. Plotnikov, and L.A. Butskiy. Some Problems in the Design of a Borehole Neutron Generator	226
Kozlov, P.Y. Basic Aspects of the Geophysical Services in the Petroleum Industry of the USSR	234

AVAILABLE: Library of Congress

Card 1/1

NOV 86  
12-21-59

46

VOSKOBOYNIK, N. I., Candidate Tech Sci (diss)-- "Problems of making complex measurements in geophysical investigation of oil wells on a triple cable". Moscow, 1959. 15 pp (All-Union Sci Res Inst of Geophys Methods of Prospecting VNIIGeofizika), 160 copies (KL, No 23, 1959, 165)

**VOSKOBOYNIK, N.I.**

Thermistor thermometer for measuring the temperature of oil wells.  
Prikl. geofiz. no.16:235-242 '57. (MLRA 10:8)  
(Soil temperature) (Thermometers) (Oil Well logging)

VOSKOBOYNIK, H.I.; KARAYEV, N.A.; LOZOVSKAYA, T.A.

Some improvement of the reproducing apparatus of seismic station  
SSM-57. Vop. razved. geofiz. no.3:30-34 '64.

(MIRA 18:2)



VOSKOBOYNIK, N.I.; KARKHU, A.I.

Recording of resistivity curves on a large scale by large-size  
sondes. Razved. i prom. geofiz. no.37:83-90 '60.

(MIRA 14:3)

(Oil well logging, Electric)

VOSKOBOYNIK, N.S., insh.

Assembly methods for the radiating part of through-type boilers. Elek.  
sta, 28 no.12:35-37 D '57. (MIRA 12:3)  
(Boilers)

VOSKOBOYNIK, N. S.: KOFMAN, R. D.

Cranes, Derricks, etc.

Cantilever Shaped Crane., Elek sta., 23, No. 2, 1952  
Inzh.

SO: Monthly List of Russian Accessions, Library of Congress, April 1952 ~~1952~~, Uncl.

AKBROYT, D., inzhener; VINOGRADOV, G.T., inzhener; VOSKOBOYNIK, N.S.,  
inzhener; ROYTMAN, B.M., inzhener.

Combined erection of boilers and metal structural elements using  
tower cranes. Elek.stn. 27 no.11:49-50 N '56. (MIRA 10:1)  
(Cranes, derricks, etc) (Boilers) (Electric power plants)

VOSKOBOYNIK, N. S. i ZIL'BERMAN, F. Ya.

26349 Kontrol'naya sborka turbin i drugikh vrashchayushchikh mekhanizmov.  
Elektr stantsii, 1949, No. 8, s. 41-43.

SO: LETOPIS' NO. 35, 1949

VOSKOBOYNIK, N. S.; KOFMAN, R. D.

Cranes, Derricks, etc.

Cantilever Shaped Crane, Elek sta., 23, No. 2, 1952. Inzh.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

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**CIA-RDP86-00513R001861020012-0"**

VOSKOBOYNIK, S.L., kand.farm.nauk

"Medicinal commodity administration" by P.M. Krendal', IU.F.  
Kabatov. Reviewed by S.L. Voskoboinik. Apt.delo 9 no.1:92  
Ja-F '60. (MIRA 13:6)

1. Zaveduyushchiy kursom meditsinskogo tovarovedeniya L'vovsko-  
go meditsinskogo instituta.

(MEDICAL INSTRUMENTS AND APPARATUS) (KRENDAL', P.M.)  
(KABATOV, IU.F.)



VOSKOBOYNIK, S.L. [Voskoboinyk, S.L.]

Prescribing natural waters according to their functional influence.  
Farmatsev. zhur. 15 no.1:52-55 '60. (MIRA 14:5)

1. Kafedra tekhnologii lekarstvennykh form L'vovskogo meditsinskogo  
instituta, zaveduyushchiy kafedroy dotsent G.O.Karpenko [Karpenko, H.O.].  
(MINERAL WATERS)

VOSKOBOYNIK, S.L. [Voskoboinyk, S.L.]; POPOVA, V.I.

Stability and compatibility of dibazol in mixtures during  
prolonged storage. Farmatsev. zhur. 17 no.6:54-57 '62.  
(MIRA 17:6)

1. Kafedra tekhnologii lekarstv L'vovskogo meditsinskogo  
instituta (zav. kafedroy - dotsent Yu. O.Karpenko).

VOSKOBOYNIK, S.L. [Voskoboinyk, S.L.]

Determination of the hygroscopicity of gauze. Farmatsev. zhur.  
16 no.3:52-53 '61. (MIRA 14:6)

1. Kafedra tekhnologii lekarstvennykh sredstv L'vovskogo meditsinskogo instituta, zav. kafedroy dotsent Yu.O.Karpenko.  
(HYGROSCOPICITY) (BANDAGES AND BANDAGING)

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VOSKOBOYNIK, S.L. (Voskoboinyk, S.L.)

Vipan, a preparation from Vinca minor. Farmatsev. zhur. 16  
no. 2:47-50 '61. (MIRA 14:4)

1. Kafedra tekhnologii likars'kikh form L'vivs'kogo medichnogo  
institutu, zav. kafedroyu dots. Yu.O. Karpenko.  
(VINCA) (ALKALOIDS)

Changes of the content of bile acids in the bile in experimental liver injury. Yu. A. Petrovskii and N. I. Voskoboinik (Med. Inst., Lvov). *Soy. Eksp. Med. Med.* 23, 10-21 (1947).—In dogs with chronic biliary fistula and poisoned with P and with  $\text{CCl}_4$  the bile acid content of the bile and the total amt. of bile secretion decreased. The change in bile acid level served as one of the most sensitive indicators of disturbed liver function; it fell to 15% of normal at advanced stages of liver damage. G. M. Kosolapoff

VOSKOBOYNIK, S.L. [Voskobolnyk, S.L.]; BRASHAVETS, L.M. [Brashavets', L.M.]

Study of the stability and compatibility of hexonium and benzohexonium  
in drug mixtures. Farmatsev. zhur. 17 no.5:29-33 '62. (MIRA 17:2)

1. Kafedra tekhnologii lekarstv L'vovskogo meditsinskogo instituta  
(zaveduyushchiy kafedroy - dotsent Yu. Gidrupenko).

VOSKOBOYNIK, V., podpolkovnik, voyenny letchik pervogo klassa; KOVALEV, V.,  
mayor

First steps of an instructor. Av.i kosm. 44 no.3:44-49 '62.  
(MIRA 15:3)  
(Flight training)



Voskoboynikov, A.A.  
VOSKOBOYNIKOV, A.A.

Organisation of schools with progressive methods. Avtom., telem. i  
svyaz' 2 no.1:36-37 Ja '58. (MIRA 11:1)

1. Nachal'nik tekhnicheskogo otdela sluzhby signalizatsii i svyazi  
Odesskoy dorogi.  
(Railroads--Employees--Education and training)

SHEVCHENKO, V.S.; VOSKOBOYNIKOV, A.E.

Astronomic climate in Uzbekistan. Astron. tsir. no.229:17-20  
Je '62. (MIRA 16:6)

1. Tashkentskaya astronomicheskaya observatoriya AN Uzbekskoy  
SSR.  
(Uzbekistan—Astronomical observatories)

137-58-2-4322

*Voskoboynikov, D.B.*

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 291 (USSR)

AUTHORS: Voskoboynikov, D.B., Vigdorchik, L.I.

TITLE: X-ray Quality Control of Metal and Metal Products (Primeneniye rentgenovskikh luchey dlya kontrolya kachestva metalla i detaley)

PERIODICAL: V sb.: Novyye tekhnol. protsessy. Khar'kov, Oblizdat, 1957, pp 121-126

ABSTRACT: An account is given of the use of x-ray flawmeters in the non-destructive testing of materials and of the use of x-ray analysis in heat-treatment process control, residual-stress determination, and in the study of fine structures in the chemical heat-treatment of surfaces, etc. A description is included of the results of x-ray studies of this type undertaken at the Central Plant Laboratory of the Khar'kov Plant for the Construction of Transport Machinery.

1. Metals—Quality control    2. Metals—Inspection    3. X-rays  
—Applications    S.S.

Card 1/1

S/806/62/000/003/017/018

AUTHORS: Bushe, N. A., Lyubarskiy, I. M., Yoskoboynikov, D. B.,  
Gol'dshteyn, L. Ya.

TITLE: "Bulging" of lead babbitt.

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Issledovaniye splavov  
tsvetnykh metallov. no.3. 1962, 194-203.

TEXT: The paper describes a recently discovered problem peculiar to the low-tin (appx. 2% Sn) babbitt BK2 (BK2), not observed on any high-tin babbitt, namely, the "bulging" of the babbitt layers in separate points of a bearing. The investigation was conducted by the All-Union Scientific Research Institute of Railroad Transportation and the Diesel-Locomotive Factory imeni Malyshev. Most frequently the babbitt layer exhibits large bulges, up to 20-mm diam, with separation of the babbitt layer from the backing. Fissures visible to the naked eye appear on the surface of the bulges. Some bearing inserts exhibit small pimples of up to 2 mm diam, which are not accompanied by insert / backing separation or the appearance of surface fissures. The bulging was observed on inserts stored in both dry and moist conditions, with a protective lubricant layer and without any lubricant. While the bulges may appear anywhere, the large bulges form preferably on the

Card 1/3

S/806/62/000/003/017/018

"Bulging" of lead babbitt.

darker oxidized portions of the insert surface. Bulges have not been manifest in inserts installed on operating engines, neither has any great incidence of insert failures by fissuration or crumbling of the babbitt layer been reported. Statistical analysis shows that bulging correlates with an increase of ingot babbitt and decrease of scrap babbitt in the smelting charge, also with the change from air cooling to water cooling, which is intended to produce a finer-grain structure. In fact, the composition of BK2 underwent a sharp change in 1957, and is no longer the alloy originally tested in 1949-51. The Ca content has thus changed from 0.06-0.16% to 0.30, the Na from 0.15-0.31 to 0.45%; concurrently the  $H_B$  has changed from 15-20 to 25-32. It was found experimentally (near-full-page table) that all inserts suffering from large or small bulges had an excessive amount of Na, namely, in excess of the saturation amount at room T (0.4%). All nondefective stored specimens had Na contents less than 0.4%. The Ca content was not critical. The Mg content in all specimens was below standard (0.04-0.09%). The microstructure of all bulged inserts was the fine-crystalline structure of a rapidly-cooled babbitt.

Conclusions: The low-Na alloy used prior to 1957 aged less intensely, the high-Na alloy produced since 1957 ages more intensely, with segregation of a Ca-rich secondary phase ( $Pb_3Ca$ ,  $Pb_3Na$ , and  $PbMg_2$ ) in a finely-dispersed state.

Microstructural analysis on aged and over-aged specimens (detail explanation and

Card 2/3

"Bulging" of lead babbitt.

S/806/62/000/003/017/018

photos shown) revealed sizable distortions along the babbitt-grain boundaries in the presence of a large amount of Na. The dissolved gases trapped in water-cooled cast specimens diffuse along the boundaries and add to the residual stresses, until bulging occurs. The increased oxidation of bulging inserts is an indication that corrosion processes are at work also. All other conditions being equal, bulging occurs preferably in inserts that exhibit casting defects (cavities, etc.) and inadequate insert-to-backing adhesion. Specifications have been established for: (1) Content: 0.06-0.20% Ca, 0.15-0.30% Na, 0.03-0.09 Mg, 1.5-2.5% Sn, the remainder Pb; (2) hardness:  $H_V$  23 after 72 hrs following casting; (3) gas content: Measures have been taken (unspecified) to reduce the freezing rate of the babbitt and reduce the amount of dissolved gases. There are 5 figures, 2 tables, and 7 Russian-language Soviet references. ✓

ASSOCIATION: None given.

Card 3/3

SEMENOV, M.Ye., inzh.; VOSKOBOYNIKOV, D.B., inzh.; GOL'DSHTEYN, L.Ya.,  
inzh.

Effect of aluminum on the strength of bimetallic compounds of  
zinc alloys and steel. Vest. TSNII MPS 20 no.6:42-43 '61.  
(MIRA 14:10)

(Zinc alloys)  
(Railroads—Equipment and supplies)

VOSKOBOYNIKOV, D. B.

STATE I BOOK EXPLOITATION 307/5053  
Vsesoyuznaya konferentsiya po treniyu i imen v mashinakh. 3d, 1958.  
Imen i imenostoykost'. Antifrictionnyye materialy (Wear and Wear Resistance. Antifriction Materials) Moscow, Izd-vo AN SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed. (Series: Itsi Trudy, v. 1)  
Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Resp. Ed.: M. M. Khrushchov, Professor; Ed.: of Publishing House: M. Ya. Klebanov, and S. L. Orlik; Tech. Ed.: T. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the III Vsesoyuznaya konferentsiya po treniyu i imen v mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairman: Ye. M. Gut'yar, Doctor of Technical Sciences, and A. L. D'yachkov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: G. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairman: D. V. Derjagin, Corresponding Member of the Academy of Sciences USSR, and I. V. Kragelskiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Khrushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairman: L. V. Kuvshinov, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Il'yashov. L. Yu. Frunzanskiy, Candidate of Technical Sciences, was scientific secretary. The proceedings of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials; specific data on the wear resistance of various materials of certain materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the sealing of metals, the effect of various types of lubricating materials on mixing, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

Card M. L. I-Ray Investigation of the Structure of Steel Deformed by Nonuniform Volumetric Compression at Normal and Elevated Temperatures	128
Kobzelev, P. Ya., and V. I. Stetskiy. On the Stresses and Structural Transformations in Steel Due to Wear	136
Klokov, E. P. Gripping of Metals Under Ordinary Conditions and the Action of Normal Loads	144
Kostetskiy, B. I., P. K. Popovskiy, and I. O. Nosovskiy. Secondary Structures on Friction Surfaces, and the Wear of Metals	152
Lyubarskiy, I. M., M. P. Zolotarev, D. B. Voskoboinikov, O. P. Podgorniy, and A. L. Gurvitskiy. Dynamics of Structural Transformations in the Case of Wear	163

Card 7/13

10



IYUBARSKIY, I.M.; VOSHOBOYNIKOV, D.B.; GOL'DSHTEYN, L.Ya

Continuous X-ray investigation of the friction process. Tren.  
i izn. v mash. no.19:77-86 '64. (MIRA 18:3)

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**APPROVED FOR RELEASE: 03/14/2001**

**CIA-RDP86-00513R001861020012-0"**

SOV-125-58-9-13/14

AUTHORS: Vol'fovskaya, F.S., Voskoboynik, E.Z., and Garkavi, Ya.N.

TITLE: Investigation of Causes of Crack Formation in Locomotive Removable Wheel Rims During Manual Welding of Local Wear With "U-340-PB" Electrodes (Issledovaniye prichin poyavleniya treshchin v bandazhakh lokomotivov pri ruchnoy naplavke mestnogo iznosa elektrodami U-340-PB)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 9, pp 93-98 (USSR)

ABSTRACT: Experimental welding tests on worn out locomotive wheel rims were performed with the use of "U-340-PB" electrodes at the locomotive depot of the Nizhnedneprovsk junction, according to technology developed by TsNII MPS. Experimental investigation of stresses in wheel rims, to determine the causes of crack formation in welding, and metallographic and chemical analyses of the rim specimens are described. It was stated that the built-up metal content was different from that prescribed by TsNII MPS, in particular with regard to manganese concentration, and it was assumed that one of the causes for crack formation in the built-up metal was the chemical heterogeneity with respect to manganese. It is concluded that the used electrodes do not ensure the optimum

Card 1/2

SOV-125-58-9-13/14

Investigation of Causes of Crack Formation in Locomotive Removable Wheel Rims During Manual Welding of Local Wear With "U-340-PB" Electrodes

chemical composition of the built-up metal and reduce the quality of welding.

There are 3 graphs, 2 microphotos and 4 Soviet references.

ASSOCIATION: Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta (Dnepropetrovsk Institute of Railroad Transport Engineers)

SUBMITTED: March 23, 1958

1. Locomotives--Equipment 2. Steel--Fracture 3. Welding--Test results 4. Electrodes--Applications

Card 2/2

VOSKOBOYNIK, E.Z., kand.tekhn.nauk, dotsent

Rate of velocity of the steam and water current in the mixing  
nozzle of a steam-jet heat exchanger. Trudy DIIT no.26:96-108  
'58. (MIRA 11:8)

(Steam jets) (Heat exchangers)

S/137/62/000/005/083/150  
A006/A101

AUTHORS: Lyubarskiy, I. M., Voskoboynikov, D. B., Gol'dshteyn, L. Ya.

TITLE: Changes in the fine structure and hardness of low-carbon rimming steel depending on the heat treatment conditions and the duration of mechanical aging

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 23, abstract 5I132 ("Tr. Donetsk. politekhn. in-ta", 1961, 56, 151-158)

TEXT: Changes in the fine structure were studied by the X-ray method and by measuring the hardness of low-carbon grade 2KП (2kp) and 3KП (3kp) steel during mechanical aging; the steel had previously been subjected to various kinds of heat treatment. The investigation was carried out on specimens of 10 x 10 x 10 mm size, cut out of specimens for toughness tests. The impact specimens were subjected to a certain type of heat treatment (8 variants), tensile deformation by 10%, and aging at 250°C for 1 or 50 (70) hours. Radiographs were taken by the method of reverse exposure on a plane container in a KPOC -1 (KROS-1) camera, in emission of Co-anode of an X-ray, type БСВЛ (BSVL), tube. The width of line (310) K $\alpha$  was investigated. Radiographs taken by the

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A006/A101

Changes in the fine structure and hardness ...

Debye method, at angles of 35 and 90°, are also presented. It was established that during deformation, the width of line (310)  $K\alpha$  increases sharply for all investigated types of preliminary heat treatment. Maximum relative increase in the line width takes place in high-tempered steel, least increase in quenched steel. During the aging process changes occur in the fine steel structure, caused by high-temperature tempering phenomena and mechanical aging proper. It is pointed out that the kinetics and nature of fine-structural changes in steel during mechanical aging depend substantially on the type of preliminary heat treatment; quenched steel is the most resistant to aging. The method of cooling after tempering does not affect the nature of changes in the fine structure of the steel during mechanical aging. Increased duration of mechanical aging over one hour is accompanied by some reduction of hardness in such specimens which showed higher hardness values after heat treatment. There are 5 references.

Z. F.

[Abstracter's note: Complete translation]

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BUSHE, N.A.; LYUBARSKIY, I.M.; VOSKOBOYNIKOV, D.B.; GOL'DSHTEYN, L.Ya.

"Swelling" of lead babbitt. Issl. splav. tsvet. met. no.3:  
195-203 '62. (MIRA 15:8)  
(Babbitt metal--Metallography) (Gases in metals)



S/137/62/000/003/138/191  
A052/A101

AUTHORS: Semenov, M. Ye., Voskoboynikov, D. B., Gol'dshteyn, L. Ya.

TITLE: The effect of aluminum on the strength of bimetallic compound of zinc alloy with steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 60, abstract 3I384 ("Vestn. Vses. n.-i. in-ta z.-d. transp.", no. 6, 1961, 42-43)

TEXT: The effect of Al on the formation of Fe-Zn-phases in the metal used for zinc-plating was investigated, as well as its effect on the formation of the transition zone and on mechanical properties of a bimetallic compound. An addition of 0.2% Al raises the resistance to shearing stress of the bimetallic compound to 27 kg/mm<sup>2</sup> compared with 23.3 kg/mm<sup>2</sup> without an Al addition. The presence of 2% Cu reduces the resistance to shearing stress to 14.8 kg/mm<sup>2</sup>. An increase of Al content to 9% has just a slight effect on the resistance to shearing stress. It is recommended to increase the Al content in UAM9-1,5 (TsAM9-1,5) Zn-alloy to 0.5 - 0.7% to prevent the formation of FeZn<sub>11</sub> in the bath and to facilitate the cleaning of the bath from the ferrous components (in this case FeAl<sub>3</sub> is formed which comes to the surface).  
[Abstracter's note: Complete translation]

E. Volin

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*Voskoboynikov, G.I.*

USSR/Chemical Technology - Chemical Products and Their  
Application. Ceramics. Glass. Binders. Concrete.

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Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 2034

Author : Voskoboynikov G.I.

Inst : -

Title : Hardening of Hollow Glass Articles.

Orig Pub : Steklo i keramika, 1957, No 4, 9-13

Abstract : Articles having the shape of a beaker, bell, gasoline sediment bowl, etc., are best subjected to hardening or semi-hardening in lieu of annealing. This applies to such glass articles which do not require a subsequent mechanical working or undergo only minor finishing operations. Increased strength of a hardened article is determined not only by the degree of hardening but also by the constant magnitude of stresses produced in the glass and the symmetry of their distribution. Analyses show that the air-jet method of hardening causes an uneven

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Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2034

cooling of the article due to maximal velocities of air-jets over areas of the glass that face the nozzles, and the formation of air flows parallel to the glass surface, which have a lower velocity, over areas between the nozzles. In the production of stalinite the velocity of perpendicular flows reaches 10-13 m/second at the surface of the glass, while that of the parallel flows is of only about 4 m/second. In the centered procedure of hardening there is observed a symmetrical inequality in the cooling of the glass surface, which causes a symmetrical inequality in stress distribution at the center and along the periphery. The most uniform cooling is achieved on using the vacuum method of hardening; at the same time the degree of hardening is found to be lower than in the case of the air-jet methods. The method of suction has been put in operation for hardening colored and colorless

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Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2034

bells designed for technical use and having walls of 7 mm thicker. The bells are first heated to the necessary temperature level, depending on their color (the colorless to 720°, the green colored to 680°), are then transferred to the suction unit, where they are cooled in air rarefied to a pressure of 25-30 mm Hg. In this procedure the number of rejects did not exceed 3%, and thermal stability of the bells, depending on their color, was of 115-135°, i.e., higher by 53-80% than on annealing. Spontaneous breakage of bells or breakage during the hardening process were not observed.

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